

Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	233	9-2	1917	4	US-09-627-650B-5	Sequence 5, Appli
2	233	9-2	1917	4	US-09-436-063C-5	Sequence 5, Appli
3	217	8-5	2508	4	US-09-627-650B-7	Sequence 7, Appli
4	217	8-5	2508	4	US-09-436-063C-7	Sequence 7, Appli
5	217	8-5	2544	4	US-09-627-650B-3	Sequence 3, Appli
6	217	8-5	2544	4	US-09-436-063C-3	Sequence 3, Appli
7	217	8-5	2601	4	US-09-627-650B-9	Sequence 3, Appli
8	217	8-5	2601	4	US-09-436-063C-9	Sequence 9, Appli
9	215.5	8-5	1652	4	US-09-627-650B-1	Sequence 9, Appli
10	215.5	8-5	1652	4	US-09-436-063C-1	Sequence 1, Appli
11	207	8-1	1128	4	US-09-627-650B-11	Sequence 1, Appli
12	207	8-1	1128	4	US-09-436-063C-11	Sequence 11, Appl
13	200.5	7-9	1345	2	US-08-977-767-3	Sequence 11, Appl
14	199.5	7-9	2088	4	US-09-548-372D-13	Sequence 3, Appli
15	199.5	7-9	2088	4	US-09-548-367D-13	Sequence 13, Appl
16	187.5	7-4	801	1	US-07-906-349A-6	Sequence 13, Appl
17	186.5	7-3	1400	4	US-08-630-915A-37	Sequence 6, Appli
18	179.5	7-1	341	2	US-08-709-521-11	Sequence 37, Appl
19	175.5	6-9	2211	4	US-08-238-884-1	Sequence 11, Appl
20	175.5	6-9	3075	2	US-08-460-309-5	Sequence 1, Appli
21	173.5	6-9	3075	2	US-08-125-077-5	Sequence 5, Appli
22	166.5	6-6	969	2	US-08-284-941-2	Sequence 5, Appli
23	166.5	6-6	969	2	US-08-447-642-2	Sequence 2, Appli
24	166.5	6-6	969	4	US-09-236-503-2	Sequence 2, Appli
25	166.5	6-6	969	5	PCT-US93-02147A-2	Sequence 2, Appli
26	157	6-2	3111	2	US-08-460-309-4	Sequence 4, Appli
27	157	6-2	3111	2	US-08-125-077-4	Sequence 4, Appli

Db	881	TACGTGTGCACGAGAAAGTCCGTG-----TCCACCGAGTCTTATG--AGTTGCCGA	933
QY	358	ANKVQGAAT-----AGGT-ATLIAQCALEC---PAGTVLTDGTTSTYKQAASEC	403
Db	934	GTTTGTACTTCAGTCTATCAAGTGCCTCATCAGCAAAAGCTTAGTTTCAGGAGAATA	993
QY	404	VKAAAFYTTKQTDWVAGIDTCSNKKLTSGA	436
Db	994	TTCCGCGCT---TTGCTGGTCTTCTCTATTCAA	1023
RESULT 2			
US-09-436-063C-5			
; Sequence 5, Application US/09436063C			
; Patent No. 6407210			
; GENERAL INFORMATION:			
; APPLICANT: Bamber, Bruce			
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and			
; FILE REFERENCE: P-1095corrected			
; CURRENT APPLICATION NUMBER: US/09/436, 063C			
; PRIOR FILING DATE: 1999-11-08			
; PRIOR APPLICATION NUMBER: 60/107727			
; PRIOR FILING DATE: 1998-11-09			
; NUMBER OF SEQ ID NOS: 18			
; SOFTWARE: PatentIn Ver. 2.1			
; SEQ ID NO 5			
; TYPE: PRT			
; ORGANISM: Caenorhabditis elegans			
US-09-436-063C-5			
Query Match			
Best Local Similarity 25.4%; Score 233; DB 4; Length 1917;			
Matches 115; Conservative 10; Mismatches 238; Indels 90; Gaps 18;			
QY	23	CPVGTETNTAGQVDDLGPANVCNQNFYNNAAAFVPGA-----SCTPCPQ	71
Db	622	CTCACTTACCGTCGGAGTAGACTACCTGGATAGACTGGGAACCCGACAGTCTTCCC	681
QY	72	KDGAOPNPATANLVTCQNVKCPAGTAIAGGATDAAIITECVNCRINRYNENAPNFN	131
Db	682	NAATGAAA-AGAAATCATCTTCTCCACTT---GGCAACACACATAAC-----T	725
QY	132	AGASTCTACPNRVGGALTAGNAATVAQCN-----VACPTGALTDDGVTTDYVRSFTEC	186
Db	726	CGTTCCTTCGTATCCAG--GGTGATGGAACGGTTTATACTAGTCAAGATTAAACAGTCAC	783
QY	187	VKRLNFYNGNNGTFFNPQKSOCTPCPAIKPANVAQATLGNDAIT- AQC-----NVA	240
Db	784	TCCAA-----CGTGCCAATGGACCTGAAGCTGTTCCTCAACACTGTAAA	838
QY	241	CPDGTISAAGVNNVQAQNTCTNCPNFYNNAPNFNPGNSTCLPCPANKDYGAEATAGG	300
Db	839	CTGGAAATGAAAGTACGGGTACA-----GTATCTCTCGA-----CATTATG	880
QY	301	AATLAKQCNACPDGTATASG---ATNVVILQTECLNCAANFYEDGNFQAGSSRCRACP	357
Db	881	TACGTGTCCGACGAGAAGTCCGTG-----TCCACCGAGTCTTATG--AGTTGCCGA	933
QY	358	ANKVQGAAT-----AGGT-ATLIAQCALEC---PAGTVLTDGTTSTYKQAASEC	403
Db	934	GTTTGTACTTCAGTCTATCAAGTGCCTCATCAGCAAAAGCTTAGTTTCAGGAGAATA	993
QY	404	VKAAAFYTTKQTDWVAGIDTCSNKKLTSGA	436
Db	994	TTCCGCGCT---TTGCTGGTCTTCTCTATTCAA	1023
RESULT 3			
US-09-627-650B-7			
; Sequence 7, Application US/09627650B			
; Patent No. 6406872			
; GENERAL INFORMATION:			
; APPLICANT: Bamber, Bruce			
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and			
; FILE REFERENCE: P-1095corrected			
; CURRENT APPLICATION NUMBER: US/09/627, 650B			
; PRIOR FILING DATE: 2000-07-28			
; PRIOR APPLICATION NUMBER: 09/436, 063			
; PRIOR FILING DATE: 1999-11-08			
; PRIOR APPLICATION NUMBER: 60/107,727			
; PRIOR FILING DATE: 1998-11-09			
; NUMBER OF SEQ ID NOS: 50			
; SOFTWARE: PatentIn Ver. 2.1			
; SEQ ID NO 7			
; TYPE: PRT			
; ORGANISM: Caenorhabditis elegans			
US-09-627-650B-7			
Query Match			
Best Local Similarity 26.4%; Score 217; DB 4; Length 2508;			
Matches 124; Conservative 8; Mismatches 204; Indels 134; Gaps 24;			
QY	20	SANCPVGTETNTAGQVDDLGPANVCNQNFYNNAAAFVPGASTCTPCPOKKDAGAOQ	79
Db	403	TGGCAAGACCCCTCGAC---TAGCCTTCGGAAGTCTTGATTGGGACTTTCCAAAAGAAAT	458
QY	80	NPPATANLVTCQNVK- PAGTAIA-----GGATDYAAIITE-----CVNCRINRYNEN	126
Db	459	CGACTCACTTACCGTCGGAGTAGACTACCTGGATAGACTGTGGAACCCGAC-----	510
QY	127	APNFNAGASTCTACPNRVGGALTAGNAATIVAQCNV--ACPTGTALDDGVTTDYVRSFT	184
Db	511	-----ACGTCTCTCCCAATGAAAGAAATCATCTCTCCACITG-----GCA	552
QY	185	ECVKRLNFYNGNNGTFFNPQKSOCTPCPAIKPANVAQATLGNDAITTAOCN-----V	239
Db	553	ACCACAC-----ATAACTCGTCTCTCTCGTA---TCGAGGGTGATGGAACGGTTTAT	600
QY	240	ACPDGTISAAGVNNVQAQNT-ECTNCPNFYNNAPNFNPGNSTC-----	283
Db	601	ACTAGTCAAAGATTAACTGCTCACTGCTGCAA-----CGTGCCAATGGCTGAAGC	649
QY	284	-----LPCPANKDYG--AEATAGGAAT--LAKOCNTACPDGTATIASGATN	324
Db	650	TGTTCCCAATGGACTCTCAACACTGTAAACTGGAATTTGAAAGCT-ACGGGTACGAGACG	708
QY	325	YVILQT-----ECLNCAANFYEDGNFQAGSSRC-KACPANKVOGAVATAGGTAT-LIAOC	378
Db	709	AAAGATATCGACTACTAT--TGGGGGAAGAAAGCGGAC-----TGATTTGAGATAACGGC	761
QY	379	ALCEPAGTVLTDGTTSTYKQAASECVKCAANFYTTKTQTDWVAGIDTCTSC	428
Db	762	TGTCAGT--TTGATAC-----CITCCAG---TTGCCGACGTTTTCAGC	799
RESULT 4			
US-09-436-063C-7			
; Sequence 7, Application US/09436063C			
; Patent No. 6407210			
; GENERAL INFORMATION:			
; APPLICANT: Bamber, Bruce			
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and			
; FILE REFERENCE: P-1095corrected			
; CURRENT APPLICATION NUMBER: US/09/436, 063C			
; CURRENT FILING DATE: 1999-11-08			
; PRIOR APPLICATION NUMBER: 60/107727			
; PRIOR FILING DATE: 1998-11-09			
; NUMBER OF SEQ ID NOS: 18			


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QY 240 ACPDGTISAAGVNNWVAQNT-ECTNCAPNFYNNNAPNPNFNGNSTC-----283
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Db 601 ACTAGTCAAAAGATTAAACAGTCACTGCAA-----CGTGTCCAATGGACCTGAAGC 649

QY 284 -----LPCPANKDYG--AEATAGGAAT--LAKOCNIACPDGTAIASGATN 324
|| || |||
Db 650 TGTTCCTCAATGGACTCTCAACACTGTAACTGGAATTTGAAGCT-ACGGGTACGAGACG 708

QY 325 YVILQT-----ECLNCAANFYFDGNNFOAGSSRC-KACPAKPVOGAVATAGGTAT-LIAQC 378
|| || |||
Db 709 AAAGATATCGACTACTAT--TGGGGGAAGAAGCGGAC-----TGATTTGGAGATAACGGC 761

QY 379 ALECPAGTTLTGDGTTSTYKQAASECVKCAANFYTTKQTDHWAGIDTCTSC 428
|| || |||
Db 762 TGTCAAGT--TTGATAC-----CTTCCAG---TTGCCGCGAGTTTCAGC 799

RESULT 8
US-09-436-063C-9
; Sequence 9, Application US/09436063C
; Patent No. 6407210
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; TITLE OF INVENTION: Methods Related Thereto
; FILE REFERENCE: P-1095corrected
; CURRENT APPLICATION NUMBER: US/09/436,063C
; CURRENT FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 2601
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-436-063C-9

Query Match 8.5%; Score 217; DB 4; Length 2601;
Best Local Similarity 26.4%; Pred. No. 3.4e-10;
Matches 124; Conservative 8; Mismatches 204; Indels 134; Gaps 24;

QY 20 SANCVPVGTETNTAGQVDDLGTTPANCVCQKNFYNNAAAFVPGASTCTPCPKKDDAGAQP 79
|| || |||
Db 403 TGGCAAGACCCCTCGAC---TAGCCTTCGGAAGTCTTGATTTGGGACTTTCCAAAGAAAT 458

QY 80 NPPATANLVTCQNVKC-PAGTAIA-----GGATDYAAIITE-----CVNCRINFYNEN 126
|| || |||
Db 459 CGACTCACTTACCGTCGGAGTAGACTACCTGGAGTAGACTGTGGAAACCCGAC-----510

QY 127 APNFNAGASTCTACPVNRVGGALTAGNAATIVAQCNV--ACPTGTALDDGVTTDYVRSFT 184
|| || |||
Db 511 -----ACGTTCTTCCCAATGAAAGAAATCATCTTCCACTTG-----GCA 552

QY 185 ECVKRLNFYNGNNGTNPENPKSQCTPCPAIKPANVAQATLGNDAITTAQCN-----V 239
|| || |||
Db 553 ACCACAC-----ATAACTCGTCTCTCGTA---TCGAGGGTGATGGAACGGTTTAT 600

QY 240 ACPDGTISAAGVNNWVAQNT-ECTNCAPNFYNNNAPNPNFNGNSTC-----283
|| || |||
Db 601 ACTAGTCAAAAGATTAAACAGTCACTGCAA-----CGTGTCCAATGGACCTGAAGC 649

QY 284 -----LPCPANKDYG--AEATAGGAAT--LAKOCNIACPDGTAIASGATN 324
|| || |||
Db 650 TGTTCCTCAATGGACTCTCAACACTGTAACTGGAATTTGAAGCT-ACGGGTACGAGACG 708

QY 325 YVILQT-----ECLNCAANFYFDGNNFOAGSSRC-KACPAKPVOGAVATAGGTAT-LIAQC 378
|| || |||
Db 709 AAAGATATCGACTACTAT--TGGGGGAAGAAGCGGAC-----TGATTTGGAGATAACGGC 761

QY 379 ALECPAGTTLTGDGTTSTYKQAASECVKCAANFYTTKQTDHWAGIDTCTSC 428
|| || |||
Db 762 TGTCAAGT--TTGATAC-----CTTCCAG---TTGCCGCGAGTTTCAGC 799

RESULT 9
US-09-627-650B-1
; Sequence 1, Application US/09627650B
; Patent No. 6406872
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
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QY 240 ACPDGTISAAGVNNWVAQNT-ECTNCAPNFYNNNAPNPNFNGNSTC-----283
|| || |||
Db 601 ACTAGTCAAAAGATTAAACAGTCACTGCAA-----CGTGTCCAATGGACCTGAAGC 649

QY 284 -----LPCPANKDYG--AEATAGGAAT--LAKOCNIACPDGTAIASGATN 324
|| || |||
Db 650 TGTTCCTCAATGGACTCTCAACACTGTAACTGGAATTTGAAGCT-ACGGGTACGAGACG 708

QY 325 YVILQT-----ECLNCAANFYFDGNNFOAGSSRC-KACPAKPVOGAVATAGGTAT-LIAQC 378
|| || |||
Db 709 AAAGATATCGACTACTAT--TGGGGGAAGAAGCGGAC-----TGATTTGGAGATAACGGC 761

QY 379 ALECPAGTTLTGDGTTSTYKQAASECVKCAANFYTTKQTDHWAGIDTCTSC 428
|| || |||
Db 762 TGTCAAGT--TTGATAC-----CTTCCAG---TTGCCGCGAGTTTCAGC 799

RESULT 7
US-09-627-650B-9
; Sequence 9, Application US/09627650B
; Patent No. 6406872
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; TITLE OF INVENTION: Methods Related Thereto
; FILE REFERENCE: 21101.000903
; CURRENT APPLICATION NUMBER: US/09/627,650B
; CURRENT FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 09/436,063
; PRIOR FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107,727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 2601
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-627-650B-9

Query Match 8.5%; Score 217; DB 4; Length 2601;
Best Local Similarity 26.4%; Pred. No. 3.4e-10;
Matches 124; Conservative 8; Mismatches 204; Indels 134; Gaps 24;

QY 20 SANCVPVGTETNTAGQVDDLGTTPANCVCQKNFYNNAAAFVPGASTCTPCPKKDDAGAQP 79
|| || |||
Db 403 TGGCAAGACCCCTCGAC---TAGCCTTCGGAAGTCTTGATTTGGGACTTTCCAAAGAAAT 458

QY 80 NPPATANLVTCQNVKC-PAGTAIA-----GGATDYAAIITE-----CVNCRINFYNEN 126
|| || |||
Db 459 CGACTCACTTACCGTCGGAGTAGACTACCTGGAGTAGACTGTGGAAACCCGAC-----510

QY 127 APNFNAGASTCTACPVNRVGGALTAGNAATIVAQCNV--ACPTGTALDDGVTTDYVRSFT 184
|| || |||
Db 511 -----ACGTTCTTCCCAATGAAAGAAATCATCTTCCACTTG-----GCA 552

QY 185 ECVKRLNFYNGNNGTNPENPKSQCTPCPAIKPANVAQATLGNDAITTAQCN-----V 239
|| || |||
Db 553 ACCACAC-----ATAACTCGTCTCTCGTA---TCGAGGGTGATGGAACGGTTTAT 600

QY 240 ACPDGTISAAGVNNWVAQNT-ECTNCAPNFYNNNAPNPNFNGNSTC-----283
|| || |||
Db 601 ACTAGTCAAAAGATTAAACAGTCACTGCAA-----CGTGTCCAATGGACCTGAAGC 649

QY 284 -----LPCPANKDYG--AEATAGGAAT--LAKOCNIACPDGTAIASGATN 324
|| || |||
Db 650 TGTTCCTCAATGGACTCTCAACACTGTAACTGGAATTTGAAGCT-ACGGGTACGAGACG 708

QY 325 YVILQT-----ECLNCAANFYFDGNNFOAGSSRC-KACPAKPVOGAVATAGGTAT-LIAQC 378
|| || |||
Db 709 AAAGATATCGACTACTAT--TGGGGGAAGAAGCGGAC-----TGATTTGGAGATAACGGC 761
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; TITLE OF INVENTION: Methods Related Thereto
; FILE REFERENCE: 21101.0009U3
; CURRENT APPLICATION NUMBER: US/09/627,650B
; CURRENT FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 09/436,063
; PRIOR FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107,727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1652
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-627-650B-1

Query Match      8.5%; Score 215.5; DB 4; Length 1652;
Best Local Similarity 26.7%; Pred. No. 2.5e-10;
Matches 117; Conservative 6; Mismatches 217; Indels 99; Gaps 20;

QY 20 SANCPCVGTETNT-----AGQVDDDLGTPANCVNCOKNFYNNAAAFVPGASTCTPCPQKKDA 75
Db 115 TGGCTGCTCCATTCACACTTATCGTACTCTCT---CCGCACATCTGTGTCTAC--ATGT 169

QY 76 GAQPNPPATANLVTCNVKCPAGTAIAGGATDYAAIIITECVNCRINFYNENAPNFNAGAS 135
Db 170 GGTGTGACA-----CAGGATGAGGACTCACATATCAACAC-----TCAAC 210

QY 136 TC-----TACPVNRVGGALT-AGNAATIVAOCNVACPTGTALDDGVTTDYVRSFT 184
Db 211 TCCTCTCATCAGTCTCTCGATAGACTCACGAATCGCAC-TACTTAT---GATAAAAGATT 265

QY 185 ECVK-CRLNFYNGNNGTFFNPKSQCTPCPAIKPANVAQAATLGNDAITITACNVACPD 243
Db 266 ACGGCCCAGGTATGGTGAAGCCAGTCGAC-----GTTTCA-----GAAGTTGATAT 349

QY 244 GTISAAGVNNVNAQNTCTNCAPNFYNNAPNPNPNCNSTCLPCPANKDYGAEATAGGAAT 303
Db 315 GTTTC---TTCATCTCTGCA-----GTTTCA-----GAAGTTGATAT 349

QY 304 LAKQCNACPDGTATASGATNYVILQTECLNCAANFYFDGNFQAGSSRCKACPAKVVQ 363
Db 350 GGACTTCAC---ATTAGACTTCTACATGCGTCAAACGTTGGCAAGACCCCTCGACTA---G 402

QY 364 AVATAGGTATLIAQCALECPAGTVLTDG---TTSYKQAASECYKCAA--NFYTTKTQTDWV 419
Db 403 CCTTCGGAAG-----TCTTGATTGGGACTTTCCAAAGAAATCGACTCACTTACCGTC 455

QY 420 AGIDTCTSCNKKLTSGAEA 438
Db 456 GGAGTAGACTACCTGGATA 474

RESULT 10
US-09-436-063C-1
; Sequence 1, Application US/09436063C
; Patent No. 6407210
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; APPLICANT: Jorgensen, Erik
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; FILE REFERENCE: 21101.0009U3
; CURRENT APPLICATION NUMBER: US/09/436,063C
; CURRENT FILING DATE: 2000-07-28
; PRIOR FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107,727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1652
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-627-650B-1

Query Match      8.1%; Score 207; DB 4; Length 1128;
Best Local Similarity 24.9%; Pred. No. 8.6e-10;
Matches 125; Conservative 9; Mismatches 212; Indels 156; Gaps 26;

QY 20 SANC---PVGTTNTAGQVDDDLGTPANCVNCOKNFYNNAAAFVPGAST-----65
Db 158 AAGCCCAATGTGTTTCAG-ATCGGTATTCGACGGCC-----GAAATCGAGTACAAATGGTGT 212
QY 66 -CTPCPQKKDAG--AQPNNPPATANLVTCNVKCPAG-----TATAG 103

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US-09-436-063C-1

Query Match      8.5%; Score 215.5; DB 4; Length 1652;
Best Local Similarity 26.7%; Pred. No. 2.5e-10;
Matches 117; Conservative 6; Mismatches 217; Indels 99; Gaps 20;

QY 20 SANCPCVGTETNT-----AGQVDDDLGTPANCVNCOKNFYNNAAAFVPGASTCTPCPQKKDA 75
Db 115 TGGCTGCTCCATTCACACTTATCGTACTCTCT---CCGCACATCTGTGTCTAC--ATGT 169

QY 76 GAQPNPPATANLVTCNVKCPAGTAIAGGATDYAAIIITECVNCRINFYNENAPNFNAGAS 135
Db 170 GGTGTGACA-----CAGGATGAGGACTCACATATCAACAC-----TCAAC 210

QY 136 TC-----TACPVNRVGGALT-AGNAATIVAOCNVACPTGTALDDGVTTDYVRSFT 184
Db 211 TCCTCTCATCAGTCTCTCGATAGACTCACGAATCGCAC-TACTTAT---GATAAAAGATT 265

QY 185 ECVK-CRLNFYNGNNGTFFNPKSQCTPCPAIKPANVAQAATLGNDAITITACNVACPD 243
Db 266 ACGGCCCAGGTATGGTGAAGCCAGTCGAC-----GTTTCA-----GAAGTTGATAT 349

QY 244 GTISAAGVNNVNAQNTCTNCAPNFYNNAPNPNPNCNSTCLPCPANKDYGAEATAGGAAT 303
Db 315 GTTTC---TTCATCTCTGCA-----GTTTCA-----GAAGTTGATAT 349

QY 304 LAKQCNACPDGTATASGATNYVILQTECLNCAANFYFDGNFQAGSSRCKACPAKVVQ 363
Db 350 GGACTTCAC---ATTAGACTTCTACATGCGTCAAACGTTGGCAAGACCCCTCGACTA---G 402

QY 364 AVATAGGTATLIAQCALECPAGTVLTDG---TTSYKQAASECYKCAA--NFYTTKTQTDWV 419
Db 403 CCTTCGGAAG-----TCTTGATTGGGACTTTCCAAAGAAATCGACTCACTTACCGTC 455

QY 420 AGIDTCTSCNKKLTSGAEA 438
Db 456 GGAGTAGACTACCTGGATA 474

RESULT 11
US-09-627-650B-11
; Sequence 11, Application US/09627650B
; Patent No. 6406872
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; APPLICANT: Jorgensen, Erik
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; FILE REFERENCE: 21101.0009U3
; CURRENT APPLICATION NUMBER: US/09/627,650B
; CURRENT FILING DATE: 2000-07-28
; PRIOR FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107,727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 1128
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-627-650B-11

Query Match      8.1%; Score 207; DB 4; Length 1128;
Best Local Similarity 24.9%; Pred. No. 8.6e-10;
Matches 125; Conservative 9; Mismatches 212; Indels 156; Gaps 26;

QY 20 SANC---PVGTTNTAGQVDDDLGTPANCVNCOKNFYNNAAAFVPGAST-----65
Db 158 AAGCCCAATGTGTTTCAG-ATCGGTATTCGACGGCC-----GAAATCGAGTACAAATGGTGT 212
QY 66 -CTPCPQKKDAG--AQPNNPPATANLVTCNVKCPAG-----TATAG 103

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Db 213 ACGTGAAGGAGCGCAATTGTCACAGCGGTCAAGSCGCGACGCGAATCGAACTGTGC 272
Qy 104 GATDYAAIIIECVNCRINFYNENAPNFNAGASTCTAC--PVMRVGGA-----148
Db 273 AGTTATAAATTCA-C-----TAAATCTGCAAAACGAGCACTTCCGACAC 319
Qy 149 ---LTAGNAATIVACNVACPTGTDGVTDDVRSFTE-----CVKCRLENYING 197
Db 320 TTCATCGGGGACCTACTCTCGTCTACGGGTAGTTTCATATTTGATCGCGACA-----G 373
Qy 198 NNGNTPFPNGKSQCTPCPAIKPANVAQATLGNDAITTAQCNVACPDTISAAGVNNWVAQ 257
Db 374 CGGCTTCTACTTCTTCAA-----ATATTTTCCCTGCCAGCCTCGCTGAG-----420
Qy 258 NTECTNCAPNFYNNAPNFNPGNSTC-----LPCPANKDYGAEATAGGAAT-----303
Db 421 TTTTATCA-----TGGATCTCATCTGATCAATCGTGA-CTCGGCGCCTTCG 467
Qy 304 --LAKOCNIACPDGTAI-ASGATNVILOTECLNCAANFYFDGNNFOAGSSRCKACAPANK 360
Db 468 CGAACCCCTAATCGGTACGATGACG-----GTGC-TCAC-----GAGACTCATC--TT 512
Qy 361 VQGA-----VATAGGTATLIAQALECPAGTFLTDGTTSTYKQAASECVKCAANFYT 412
Db 513 ATGACCGGAACCAATCGAGCTCTTCCA--CCAGT--TGCCTATGTAAAGCGCGTTGATGT 568
Qy 413 TKQTDWVAGIDTCTSCNKKLTS 434
Db 569 ATTCTCGGTTTCTGCTATCTT 590

RESULT 12
US-09-436-063C-11
; Sequence 11, Application US/09436063C
; Patent No. 6407210
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; APPLICANT: Jorgensen, Erik
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; FILE REFERENCE: P-1095corrected
; CURRENT APPLICATION NUMBER: US/09/436,063C
; CURRENT FILING DATE: 1999-11-08
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 1128
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-436-063C-11

Query Match 8.1%; Score 207; DB 4; Length 1128;
Best Local Similarity 24.9%; Pred. No. 8.6e-10;
Matches 125; Conservative 9; Mismatches 212; Indels 156; Gaps 26;

Qy 20 SANC---PVGCTETAGQVDDLTPANCVNCQKNFYNNAAAFVPGAST-----65
Db 158 AAGCCCAATGTGTTACG-ATCGGTATTGCGAGCGCC---GAAATCGAGTACAAATGTGT 212
Qy 66 -CTPCPQKKDAG--AQNPPATANLVTCNVKCPAG-----TAIAG 103
Db 213 ACGTGAAGGAGCGCAATTTGTCACAGCGGTCAAGCGCGGACGCAATCATGCTGCG 272
Qy 104 GATDYAAIIIECVNCRINFYNENAPNFNAGASTCTAC--PVMRVGGA-----148
Db 273 AGTTATAAATTCA-C-----TAAATCTGCAAAACGAGCACTTCCGACAC 319
Qy 149 ---LTAGNAATIVACNVACPTGTDGVTDDVRSFTE-----CVKCRLENYING 197
Db 320 TTCATCGGGGACCTACTCTCGTCTACGGGTAGTTTCATATTTGATCGCGACA-----G 373

Qy 198 NNGNTPFPNGKSQCTPCPAIKPANVAQATLGNDAITTAQCNVACPDTISAAGVNNWVAQ 257
Db 374 CGGCTTCTACTTCTTCAA-----ATATTTTCCCTGCCAGCCTCGTCTGAG-----420
Qy 258 NTECTNCAPNFYNNAPNFNPGNSTC-----LPCPANKDYGAEATAGGAAT-----303
Db 421 TTTTATCA-----TGGATCTCATCTGATCAATCGTGA-CTCGGCGCCTTCG 467
Qy 304 --LAKOCNIACPDGTAI-ASGATNVILOTECLNCAANFYFDGNNFOAGSSRCKACAPANK 360
Db 468 CGAACCCCTAATCGGTACGATGACG-----GTGC-TCAC-----GAGACTCATC--TT 512
Qy 361 VQGA-----VATAGGTATLIAQALECPAGTFLTDGTTSTYKQAASECVKCAANFYT 412
Db 513 ATGACCGGAACCAATCGAGCTCTTCCA--CCAGT--TGCCTATGTAAAGCGCGTTGATGT 568
Qy 413 TKQTDWVAGIDTCTSCNKKLTS 434
Db 569 ATTCTCGGTTTCTGCTATCTT 590

RESULT 13
US-08-977-767-3
; Sequence 3, Application US/08977767
; Patent No. 5972684
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Yue, Henry
; APPLICANT: Greenwald, Sara
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: CARBONIC ANHYDRASE VIII
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/977,767
; FILING DATE: Herewith
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0423 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1345 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1532042
US-08-977-767-3

Query Match 7.9%; Score 200.5; DB 2; Length 1345;
Best Local Similarity 25.8%; Pred. No. 4e-09;
Matches 111; Conservative 5; Mismatches 212; Indels 103; Gaps 17;


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Db 1912 CCGACAGTGATCTTCA-----TCACCTTGGTGATGCTGAGAGAAACA 1955
Qy 299 GGAATLAKQCNIAC-----PDGTAIASGATNYVILQTECLNCAAN----- 338
Db 1956 GTACACATCCATTTCATCATGCTGTGGTGGAGGTG----ACGCCGCTGTCAACCCAGAGG 2011
Qy 339 -----FYFDGNNFQAGSSRCKACPANKVOGAVATAGGTATLIAQCALECPAGTVLTDGT 392
Db 2012 AGCGCCACCTGTCCAAGATGCAGCAGAACGGCTACGAAATCCAAACCTACAAGTTCT--T 2069
Qy 393 TSTYKQAAASECVKCA 407
Db 2070 TGACGATGCAGAA 2084
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Search completed: February 11, 2003, 19:49:20
Job time : 21.8857 secs